

10/575254

IAP20 Record PGP 10 APR 2006

1

SEQUENCE LISTING

<110> National Institute of Advanced Industrial Science and Technology

<120> The support having affinity to antibody

<130> 341-02845

<140>

<141>

<160> 10

<170> Patent|n Ver. 2.1

<210> 1

<211> 70

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Protein for
antibody immobilization

<400> 1

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile
1 5 10 15

Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln
20 25 30

Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Glu Ser Gln Ala Pro Lys Gly Gly Gly Cys Ala
50 55 60

Asp Asp Asp Asp Asp Asp
65 70

<210> 2

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Protein for antibody immobilization

<400> 2

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile
1 5 10 15

Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln
20 25 30

Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Ser Glu Ala
35 40 45

Lys Lys Leu Asn Glu Ser Gln Ala Pro Lys Ala Asp Asn Asn Phe Asn
50 55 60

Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu
65 70 75 80

Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln Ser Leu Lys Asp Asp Pro
85 90 95

Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala Lys Lys Leu Asn Glu Ser
100 105 110

Gln Ala Pro Lys Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp
115 120 125

<210> 3

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Protein for antibody immobilization

<400> 3

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile
1 5 10 15

Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln
20 25 30

Ser Leu Lys Asp Asp Pro Ser Gin Ser Ala Asn Leu Leu Ser Glu Ala
 35 40 45

Lys Lys Leu Asn Glu Ser Gin Ala Pro Lys Ala Asp Asn Asn Phe Asn
 50 55 60

Lys Glu Gin Gin Asn Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu
 65 70 75 80

Asn Glu Glu Gin Arg Asn Gly Phe Ile Gin Ser Leu Lys Asp Asp Pro
 85 90 95

Ser Gin Ser Ala Asn Leu Leu Ser Gin Ala Lys Lys Leu Asn Glu Ser
 100 105 110

Gin Ala Pro Lys Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp
 115 120 125

<210> 4

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Protein for
 antibody immobilization

<400> 4

Ala Asp Asn Asn Phe Asn Lys Glu Gin Gin Asn Ala Phe Tyr Glu Ile
 1 5 10 15

Leu Asn Met Pro Asn Leu Asn Glu Glu Gin Arg Asn Gly Phe Ile Gin
 20 25 30

Ser Leu Lys Asp Asp Pro Ser Gin Ser Ala Asn Leu Leu Ser Glu Ala
 35 40 45

Lys Lys Leu Asn Glu Ser Gin Ala Pro Lys Ala Asp Asn Asn Phe Asn
 50 55 60

Lys Glu Gin Gin Asn Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu
 65 70 75 80

Asn Glu Glu Gin Arg Asn Gly Phe Ile Gin Ser Leu Lys Asp Asp Pro

85 90 95

Ser Gin Ser Ala Asn Leu Leu Ser Glu Ala Lys Lys Leu Asn Glu Ser
100 105 110

Gln Ala Pro Lys Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp
115 120 125

<210> 5

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Linker peptide

<400> 5

Gly Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp
1 5 10

<210> 6

<211> 216

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:DNA coding
protein for antibody immobilization

<400> 6

atggctgata acaatttcaa caaagnacaa caaaaatgott tctatgaaat cttggatatg 60
cotaacttta acgaaegaaca acgcaatggt ttoatocaaa gcttaaaaga tgaccggc 120
caaaatgtota aactatttgo aqaaagoteaa aagttaaaatg aatctcaaggc acogaaaggt 180
gggggtggct gogotgtatga cgatgacgat gactaa 216

<210> 7

<211> 390

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:DNA coding

protein for antibody immobilization

<400> 7
 atggctgata acaatattoaa caaaagaacaa aaaaaatgott tctatgaaat cttgaaatatg 60
 octaaatcaa aogaagaaca aogoaaatggt ttcacatcccaa gcttaaaaaga tgacccaaago 120
 caaagtgtata acctattgtc aagaagctaaa aagttaaaatg aatctcaagc accgaaagot 180
 gataacaatt tcaacaqaga acaacaaaat gtttotatg aatottgaa tatgcotaac 240
 ttaaacgaaag aacaacgcaa tggtttcatac cqaqgtttaa aagatgaccc aqgccaaagt 300
 gataacctat tgtoagaagc taaaaagtta aatgaatotc aagcaccgaa aggtggcggt 360
 ggctgogctg atgacgatga cgatgactaa 390

<210> 8
 <211> 302
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:DNA coding
 protein for antibody immobilization

<400> 8
 ggatcattga caatatctta actatctgtt ataatatatt gaccaggta actaactaag 60
 cagcaaaagg aggaacgact atggctgata acaatttcaa caaagaacaa aaaaaatgott 120
 totgtaaat cttgqataatg ccttaacttaa acggaaagaaa aogoaaatggt ttcatccaaa 180
 gtttaaaaaga tgaoooaaago acaagtgtata acctattgtc aagaagctaaa aagttaaatg 240
 aatctcaagc accgaaaggt ggccgtggct ggctgtatga cgatgacgat gactaageat 300
 to 302

<210> 9
 <211> 476
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:DNA coding
 protein for antibody immobilization

<400> 9
 ggatcattga caatatctta actatctgtt ataatatatt gaccaggta aataaataag 60
 cagcaaaagg aggaacgact atggctgata acaatttcaa caaagaacaa caaatgctt 120
 tctatgaaat cttgatatac ccttaacttaa acggaaagca acgcaatggt ttoatccaaa 180
 gtttaaaaaga tgacccaaagc caaagtgtata acctattgtc aeaagotaaa aagttaaatg 240
 aatctcaagc aacgaaagot gataacaatt taaaacgaa acaacaaaat gttttatg 300
 aatcttggaa tatgcctaaac ttaaacgaa aacaacgcaaa tggtttcatac caaagcttaa 360
 aagatgaccc aagccaaagt gctaacctat tgcagaagc taaaaagtta aatgaatotc 420
 aagoaoogaa aggtggcggt ggctgogctg atgacgatga ogatgactaa gaattc 476

<210> 10
<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Additional DNA
sequence for gene expression

<400> 10
ttgadaatat ottaaotata tgttataata tattgaccag gtttaaotata taagcagcaa 60
aaggaggaac gact 74